

St. Paul Island - CY9 VE1AL, VE1BHR, VE1XT, VE1AWG, and W5KNE will operate from St. Paul Is. (NA-10) Aug. 12-17, all bands, SSB and CW. Watch 3795, 7065-85, 7170, 14145, 14195, 21245, 21295, and 28545 kHz on SSB, and 20 kHz up on CW. On 160 meters, they will transmit on 1827 kHz, and listen on 1832 kHz. QRZ DX says callsigns will be VE1DXX/CY9 and W5KNE/CY9. QSL VE1DXX/CY9 to Alan Leith VE1AL, 846 George St., Sydney NS B1P 1L9 Canada, and W5KNE/CY9 to Box 832205, Richardson TX 75083.

Maldives - 8Q7 Japan DX News reports that JS3ELH will operate from (AS-13) through Aug. 14, all bands 160-10 meters, including 30 meters, CW and SSB. QSL home call.

Edited by Chod Harris VP2ML

# The DX Bulletin

America's Premier Weekly Amateur Radio Publication

Christmas Is. - T32 Paul Lange WC5P will be on as T32BE Sept. 14-21, on 80-10 meters, including 30 meters, emphasizing CW. Watch 3502, 7008, 7027, 14008, 14027, 21003, 21027, 21027, and 28010 kHz on CW, and 14212, 14285, 21270, 21309, 28465, and 28510 on SSB. QSL home call with SASE or SAE and IRCs or US\$1. Sunrise 1625Z, sunset 0425Z. Paul, who will be running barefoot into a vertical, has carefully calculated a detailed operating schedule!

Caribbean Peter PA0CRA will be on from Anguilla as VP2EPJ Aug. 13-15, Saba as PJ6/PA0CRA Aug. 16-17, St. Eustatius as PJ5/PA0CRA Aug. 18-20, and French St. Martin as FG/PA0CRA/FS Aug. 22, on 14185, 21185, and 28585 kHz SSB, 12-16 and 20-2400Z. QSL home call. (Tnx DXPress.)

## Reserve Your Island

- Jim Cain K1TN's CQWW CW operation as VP2MDC from The Last Resort will be multi-single with W9TM. QSL K1TN.
- A M/S operation in CQWW SSB will be EA8AGD from the Canaries, by some Finns. OH8PF will be on in the CW test as a single op from the Canaries.
- Tony WB2P will be on as ZF2ML in the CQWW SSB test. QSL home call (1988 Callbook Supplement: 78 Medford Indian Mills Rd., Vincentown NJ 08088.)

## Shortly Noted

- HS0B is back on 20M SSB at 11-1400Z after a long absence. QSL via the bureau or Box 2008, Bangkok 10501 Thailand (and pray the card doesn't get stolen...)
- The Japanese Vanuatu DXpedition was called off when their flight was cancelled, and due to a coup d'etat in Vanuatu.
- The Italians operating T5GG on CW are very active 25 kHz up, listening up. Try 14025 kHz at 0100Z, 21025 kHz 20-2300Z.
- P29JP has a sked Tuesdays and Fridays 1130Z on 14180 kHz.
- BY9GA is putting up new antennas. Try 14210-15 kHz at 1400Z. QSL Box 12, Lanzhou, PRC. BY4RB is on daily on 14190 or 14032 Khz after 1100Z. He'll try 21226 kHz 14-1600Z weekends.
- FT2XE is on 14055 kHz at 1100Z daily.
- G4WYG and G4OHX are VP2M/ to Aug. 21.
- WF2S/C6A is due on mid-month on SSB.
- On Aug. 14, GB75IOM and GB50RAF will be on from Isle of Man GD. Tnx DXNS.
- FG/FM4EB is on to Aug. 19. 6M, too.
- Some Turkish stations meet daily on 21357 kHz at 1630Z. Also, TA3D says he looks for USA DXers daily on 14012 kHz at 0300Z. Reports show him on 14012-15 kHz 2200Z+.
- 5K3B is on through the end of Aug. on 10-40M SSB. QSL HK3NTI, Box 584, Bogota.
- JARL News says 8J4XPO and 8J5XPO will continue operation to Aug. 31, and 8J2XPO, 8J7XPO, and 8J8XPO to Sept. 18. They also say there are 1,608,000 amateur licensees in Japan, of which 1,458,000 are code-free SSB types.
- Regulars include: 3B8CF 7004 kHz at 1400Z, and 14030 kHz at 0300Z; VQ9QM 14026 kHz at 1000Z and 21027 kHz at 1600Z; ZC4EE 14025 kHz after 0300Z; 9M8PV 14165 kHz at 1200Z; D44BC 20M SSB at 0200Z; FK8FR 14270 kHz +/- 10-1200Z; FR5ZD 14185 kHz at 0330Z; FT5ZB 20M SSB 1200Z; TU4CO 21010 kHz at 2100Z; 4S7PVR 21290 kHz +/- at 1900Z; 5W1FV 21340-50 kHz 0330Z; 9M6HF 21290 kHz 1545Z; CN8FC 21225-30 kHz 1800Z, and HK0HEU on 15M SSB or 28525 kHz around 2000Z. Good Luck!



# PROPAGATION

## Forecast and Historical Data

Day Forecast	27 Days Before	55 Days Before
August	Date Flux A K	Date Flux A K
12 Disturbed	7/16 149 21/42 2	6/18 122 13/21 3
13 High Nor	7/17 157 08/17 2	6/19 116 20/33 3
14 Low Normal	7/18 148 13/24 2	6/20 115 14/35 3
15 High/Low	7/19 138 08/20 2	6/21 121 07/16 2
16 High Nor	7/20 137 03/13 1	6/22 119 14/22 3
17 Disturbed	7/21 141 21/65 3	6/23 125 11/17 3
18 Disturbed	7/22 137 22/48 3	6/24 135 20/31 4
19 Below Nor	7/23 140 15/32 1	6/25 150 24/48 3
20 High/Low	7/24 134 08/19 1	6/26 155 13/29 3
21 High Nor	7/25 137 05/14 2	6/27 155 11/21 3
22 Below Nor	7/26 145 16/38 3	6/28 178 14/22 1
23 Low Normal	7/27 157 13/27 2	6/29 183 26/45 3
24 High/Low	7/28 170 09/20 3	6/30 184 21/49 3
25 High Nor	7/29 180 05/17 2	7/01 193 13/31 3
26 High Nor	7/30 183 07/18 3	7/02 192 11/26 2
27 High Nor	7/31 187 10/20 2	7/03 187 07/18 2
28 High Nor	8/01 176 09/18 2	7/04 175 02/15 0
29 High Nor	8/02 182 06/17 2	7/05 166 02/14 2

Thanks KH6BZF and Space Environment Services Center.

## Propagation Watch

For the middle of the Summer Doldrums, the bands have been excellent! The combination of very high solar activity and low geomagnetic activity has provided good DX openings on 10-40 meters.

While 10 and 12 meters are still limited to north-south paths most days, these bands have been offering some rather weak, but workable, signals on east-west paths on occasion. Look for great DXing on these bands in the next few months.

15 meters has been spectacular during the daylight hours, and has stayed open into the early evening, local time. K7ABV in Montana worked all continents in 45 minutes around 1700Z on July 31, for example. The polar path has been very productive on days of low geomagnetic activity (low A and K indices.)

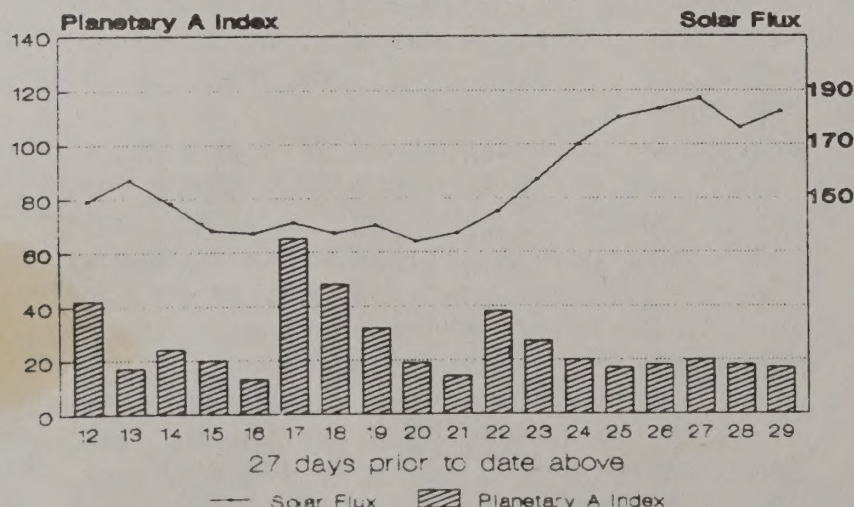
20 meters offers fine long-path openings around local sunrise, and stays open farther into the night than most DXers stay awake. The deep Russians and other polar-path DX goodies have been consistent and loud.

Even 40 meters provides some good nighttime DX, despite relatively high noise levels, and seasonally high absorption. Try the terminator times: local sunrise looking west and local sunset looking east.

Sunspot Cycle 22 shows no signs of leveling off. Expect great DXing over the next few years!

The bands should provide good DXing Aug. 13-16, 20-21, and during the last week in August. Enjoy!

## Solar Data



## RTTY Report

- Pitcairn Island is now on RTTY, thanks to the West Coast DX Association's donation of RTTY gear to VR6TC and VR6YL. They've made a few RTTY QSOs, but be patient, as they are complete novices to the mode.
- Joe IOAOF says he hopes for RTTY from 1A0KM in the CQWW RTTY test Sept. 24-25.
- BV2B was on 14086 kHz at 1415Z.
- SU1FN has been on 20 meters at the same time.
- UM9WA is still active from Kirghiz.
- KG4JO from Guantanamo is on 14090 kHz at 0500Z. KG4DM is also active, 74 baud only.
- CO2BB likes 14095 kHz at 2400Z. QSL Box 6002, Habana 10600, Cuba.
- ZP5CVI has been on 14096 kHz at 2245Z.
- VU2NR on 14093 kHz at 0015Z keeps India active. VU2JX has also been on 14096 kHz at 0200Z.
- UW9CY and UA9FM from CQ Zone 17 are on 20M 23-02Z.
- KH3/WY5L hangs out around 14090 kHz 0330-0730Z.
- XF1C is on 14097 kHz at 0315Z.
- 6W6JX is very active on 14087 kHz various hours.
- XX9DN has been on 14095 kHz at 1330Z.
- OD5NG likes 14074 kHz ARQ at 0330Z.
- FK8BK is also on 14074 kHz at 0700Z.
- J6LQE has been on 14086 kHz at 2330Z.
- TZ6TG was on 14087 kHz at 2200Z.
- FP5CJ works the Pacific on 14093 kHz at 1330Z.
- 8R1RPN is on 21090 kHz at 1700Z.

## PacketCluster Help

Jay O'Brien W6GO is working closely with Dick Newell AK1A of Pavillion Software to fine tune Versions 2.4 and higher of Pavillion's nifty PacketCluster DX spotting software. Dick and Jay have been putting in long hours finding and correcting the many minor bugs that inevitably appear in such complex software. Jay asks that any other groups running Versions 2.4 or higher contact him at (916) 991-2010 to coordinate "bug reports" and fixes.

Meanwhile the DX Packet Spotting Network in Northern California has attracted dozens of users every day, scattered among the six nodes. The 220 rig that ties the node together, donated by Yaesu, hums along flawlessly 24 hours a day. Dynamite system. If your club doesn't have PacketCluster yet, contact Pavillion Software at Box 803, Hudson MA 01749.

## Yemen Rumors

A station signing 4W0CRC has been on 14015 kHz at 1200Z, and 21006 kHz at 1000Z and 2000Z. Signal peaks in the right direction, and shows proper fading pattern for the Yemen area. Op Ali says its a new club station at Mohamed Yajal St. #48, and to QSL via Box 191, Sana. W1AW's DX broadcast says 9K2SH talked to the op on the phone, and he claims to have proper permission. Too early to call this one. Meanwhile, no word from the Lynx DX Group on the stalled 4W0EA operation.

## The DX Bulletin News

In response to the numerous calls, there was no issue dated July 29, 1988, as I mentioned on page 1 of Issue 446. You didn't miss an issue.

And no, I have no more IRCs. They sold out within hours of receipt of the issue. I have logged the calls of those asking for IRCs, and if I get more, I'll contact those DXers.

Tim Totten KJ4VH would like to see OSCAR 13 DX reports in The DX Bulletin. Anyone else interested? Ask for Report Cards, and send your satellite DX reports to The DX Bulletin.

Finally, this is the last chance to get your 1988 Most Wanted Countries survey form in to The DX Bulletin. Your response can only help, and I promise not to laugh. Please, return your survey today! -ed.



# BANDPASS

Reports Wanted,  
Especially RTTY, 30 meters

## -----RTTY-----

6W6JX	14088	2315	29	CA
9V1RP	14091	1358	3	CO
AH2BT	14091	0715	31	CA
CN8BX	14090	2241	29	OH
EJ4GRC	14092	0343	20	CO
FT5ZB	14093	1245	3	CO
HA3KNX	14093	0041	29	OH
HBO/	14090	1925	2	CA
DF9GR	14094	0300	4	IN
HI8/	14093	2319	29	OH
CP1AL				
HP1LO	14098	0157	18	CO
KG4JO	14088	0436	3	CO
KH0/	14085	1216	31	OH

## K4EQY

OX\N1FBY	14089	0359	7	CA
OY6FRA	14089	1938	2	CA
OY9JD	14088	0615	4	CA
OZ1NG	14097	2241	25	OH
SP9BCH	14090	0715	4	CA
TI2YO	14096	0311	4	IN
UA1IM	14089	0528	11	CO
UM9MWA	14086	0358	19	CO
UT5RP	14082	0343	7	CA
V85WS	14093	1408	17	CO
XF1C	14091	0350	19	CO
Y29AB	14091	0409	4	IN
YB0QC	14093	1236	3	CO
YO6AOO	14090	0358	17	CO
YO6EOO	14089	0510	5	CA

## -----160 Meters-----

VK2RS/3	1832	1150	26	MT
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## -----80 Meters-----

EK0AKR	3507	1215	31	CA
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## -----75 Meters-----

JA4DND *	3799	1000	5	PA
UA0FF *	3799	1005	5	PA
ZK3RVC	3799	1005	3	PA

## -----40 Meters-----

3B8CF	7003	1345	1	CA
EK0AL	7009	1250	29	CA
FT5ZB	7006	0214	4	FL
HD8DZ	7163	0702	4	ME
UA0CDO	7003	1039	6	FL
UO5OEP	7011	2341	5	FL
VK6HD *	7005	2338	5	FL
VP2M/	7003	0130	6	FL
G4OHX				

## -----30 Meters-----

4S7WP	10104	1201	7	CA
5B4DG	10105	0310	12	IL
G62O	10103	0550	30	CA
ZL1AIZ	10103	0559	30	CA

## -----20 Meter CW-----

3B8CF	14032	0320	2	WI
3B8DA	14020	0311	3	WI
3B8DB *	14017	1221	19	AL
5N0SKO	14046	2351	2	NY
6W7OG	14043	0033	28	MA
7X4VUK	14003	2304	1	FL
8J4XPO	14018	1102	29	MI
9J2BD	14024	1244	27	WI

9J2BO *	14032	1121	28	AL
9M2FZ	14020	1426	30	MT
9M2LE	14031	1110	6	FL
9V1XI	14008	1425	1	MT
BV2A	14027	1430	29	CA
BY4RB	14035	1201	6	FL
C31LBD	14011	2346	5	FL
CO5DM	14014	0445	12	IL
EK0AKA	14022	2306	28	MT
EK0AKW	14009	1348	6	FL
FT2XE *	14055	1140	6	FL
FT5ZB	14023	0250	2	MN
JW/	14009	0510	1	OR
SP5DRH	14001	0329	29	KY
JY9WF	14022	2245	25	CT
LB8SC	14042	2247	2	FL
P29HS	14062	1121	26	AL
P29RA	14053	1034	26	CT
P48ADI	14031	2153	27	NY
PY0FF	14023	0127	29	WI
RW0Y/	14026	1350	29	MT
UZ9UZZ	14009	0200	4	FL

RZ1OWA	14025	0209	28	IL
T20AA	14030	1135	20	GA
T5GG	14025	0050	4	FL
TA3D	14012	2309	1	FL
TK5IU	14025	0130	21	PA
TR8JLD	14011	0613	26	MT
TU4CO	14010	2221	31	IA
UA1OZ	14003	0047	29	MA
UC2LBF	14021	0351	30	KY
UF10/	14012	2259	1	FL
RB4JWS	14023	0300	28	PA
UH8AAG	14025	0045	3	FL
UL7MU	14020	2107	6	FL
UL8GWB	14020	2329	6	FL
UZ2FWZ	14011	0441	29	KY
UZ2FXJ	14010	0800	1	MT
VQ9QM *	14027	1015	1	FL
VS6UP	14003	0008	31	MD
YB20AR	14028	1302	28	MN
YN3CC	14030	0610	1	OR
YN3EO	14001	2303	1	FL
ZC4EE	14016	0512	1	OR
ZS5WS *	14017	1430	30	CA

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When you work a DX station  
say you saw his call in  
The DX Bulletin

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## -----20 Meter SSB-----

3B8DA	14220	1148	28	GA
3B9FR	14189	0338	1	ME
3B9FR	14170	1200	26	MA
3C1MB	14203	0103	29	WI
3D2MP	14165	1120	16	FL
4S7NMR *	14182	1116	29	MA
4S7VK *	14163	1131	1	MA
5T5NU	14240	0511	19	MI
9J2EZ	14246	0525	30	VA
9K2SH	14265	0231	1	MT
9M2CW	14165	1215	26	FL
9M2FZ	14161	1730	26	MT
9M8PV	14165	1227	31	TN
A35SA	14206	0453	17	IN
AP2SQ	14191	0235	26	FL
AP2ZA	14185	0230	3	ME
BV2A	14226	1634	24	CA
BV2FA	14162	1410	26	MT

BY4RB	14196	1152	26	MA
BY5RT	14200	1239	1	WI
BY9GA	14210	1400	1	BC
C9MKT	14198	2200	23	MA
CE0GHO	14220	0244	24	CA
CN2AQ	14235	0346	29	WI
D44BC	14218	0300	25	PA
D68MG	14236	0400	31	VA
FH8CB	14236	0440	30	VA
FK8FR	14275	1022	25	TN
FK8GB	14168	0603	23	CT
FP5DX	14160	0102	30	WI
FR5DX	14195	1248	24	TN
FR5DX *	14201	1124	1	MA
FR5EL	14240	0407	31	NY
FR5ES	14191	1255	30	VA
FR5FA/J	14236	0350	29	PA
FR5ZD	14184	0335	3	WI
FT5ZB	14165	1155	29	FL
GB75HRR	14217	2126	30	MA
H44MB	14290	0710	24	CA
HK0EFU	14150	1147	31	TN
HS0B *	14190	1100	27	FL
HZ1AB	14188	2254	28	TX
J52US	14195	0020	30	PA
JW2FFA	14237	2145	25	MT
JY9LC	14194	0332	27	GA
KG6DX	14185	1136	28	MA
KX6HN	14194	1041	31	TN
NH2/KD7P	14188	1130	28	MI
OD5AS	14250	0341	30	PA
P29JP	14180	1130	29	MI
P29MM	14218	1140	31	TN
P29TD	14231	1158	24	TN
RV9FQ	14181	0243	28	PA
RW0Y/	14205	0029	4	ME

UZ9UZZ	Zone 23			
T20AA	14185	1217	29	GA
T30BC	14165	1245	27	FL
T5GG	14240	0043	24	NV
TK/HB9TL	21275	2240	1	BC
UR2QD	14181	0422	29	IA
V85HG	14183	1035	26	FL
V85WS	14173	1600	29	MT
VK9ND	14167	0729	1	AL
VK9XX *	14168	1134	1	MA
VQ9QM	14030	1130	31	TN
VR6ID	14237	0325	25	CA
VU2NR *	14220	1121	29	MA
YI1BGD	14212	0012	28	PA
YJ8AA	14210	1235	24	GA
YJ8FB	14206	0530	28	VA
YJ8GP	14191	0759	1	AL
YK1AO	14252	0510	31	VA
Z21BA	14185	1332	30	MT

## -----15 Meter CW-----

4F1BYN	21022	0415	30	OR
4W0CRC	21005	1957	1	WI
7X2AX	21006	1855	30	MN
9L1GG	21009	1235	30	VA
9M2AX	21016	1830	30	IA
9Q5UN	21030	1845	25	FL
BV2DA	21007	1657	7	CA
C53GS	21005	2239	29	MA
CN8FC	21027	1245	30	FL
EA9UH	21015	0226	2	FL
EK0AL	21033	2256	30	TN
HZ1AB	21025	1800	4	CA
JT1BR	21024	0150	2	IA
KG4JO	21014	2335	30	IA
RI8BT	21014	0158	31	MA
RV0YF	21009	0127	2	MA
T5GG	21025	1950	4	CA
TA3D	21014	2219	31	MI
TK5IU	21024	2137	25	MI

TR8JLD	21036	2112	26	WI
TU4CO	21010	1710	29	MT
UI8QAU	21046	2036	6	FL
VQ9QM	21027	1557	31	CT
VS6UP	21001	1637	29	KY
VU2BK	21042	1338	6	FL
YB20AR	21010	1208	29	CT
ZB2FX	21024	1450	30	IA

## -----15 Meter SSB-----

3B9FR	21224	1435	26	IA
3C1JPF	21234	1400	23	NH
4S7PVR	21296	1845	1	IA
5N9GM	21344	2103	26	TN
5N9GM	21346	2011	29	MT
5T5DX	21306	1342	18	FL
5W1FV	21340	0334	31	WI
5Z4DU	21335	1757	29	PA
5Z4MR	21345	1900	25	FL
9M6HF	21290	1543	1	ME
9N1MC	21297	1739	31	MA
9Q5NW	21250	2243	30	NH
9V1WD	21210	1433	30	WI
A4XKB	21309	1718	31	MT
A92BE	21289	2145	28	FL
BY4SZ	21260	0205	1	MT
CN8FC	21225	1810	31	WA
FR4FA/J	21275	1805	31	WA
HK0HEU	21284	1939	26	TN
HK0NZI	21235	1820	30	IA
HZ1AB	21305	1410	23	NH
J52US	21282	1142	31	CT
JY5HH	21235	1330	1	IA
OD5PL	21301	1732	31	MT
OD5VT	21251	1727	26	WI
OY9R	21250	1725	7	CA
SU1ER	21262	1905	4	CA
SV9TD	21261	1926	30	NH
TF3IM	21231	1830	29	PA
TJ1DL	21346	2000	29	MT
TR8JLD	21263	1811	26	FL
UJ8SAD	21256	1832	31	WA
V85WS	21243	1811	1	WI
VK9ND	21370	0257	20	IN
VU2GDG	21277	0130	31	IA
VU2GI	21255	1915	30	MN
VU2JX	21301	1715	31	MT
VU2XP	21295	1953	2	WI
XF1MEX	21301	1750	31	IL
YC0DXT *	21312	1525	29	FL
YI1BGD	21211	1219	26	MA
YI1BGD	21248	1802	30	MA
ZB2GR	21232	1175	29	NY

## -----12 Meter-----

PY2AMI	24900	1515	02	MD
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## Beacon

## -----10 Meter CW-----

9Q5DX	28012	1847	1	MA
VK3DQ	28014	0150	30	FL
ZS6BUD	28024	1204	6	FL

## -----10 Meter SSB-----

EA9IB	
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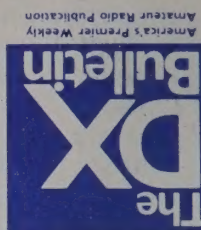
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## CALENDAR

Issue 449 - August 12, 1988

(Changes and hot info in boldface.)

Amsterdam - FT-Z FT5ZB 20M SSB 1200Z I449  
 7006 0145Z, 160M too I447

Anguilla - VP2E VP2EPJ Aug. 13-15 I449

Arctic - EK0A Russian IOTA, RAEM I448

Cape Verde - D4 D44BC 20M SSB 0200Z I449

Chagos - VQ9 VQ9QM 21025-30 1400Z I446  
 14026 kHz 1000Z I449

China - BY BY4RB 14025-30 1230Z I446  
 21226 kHz 14-16Z weekends

Christmas Is. T32BE Sept. 14-21 I449

Columbia - 5K 5K3B Aug 1-30 15/40M I447

Congo - TN TN4NW 18-21Z daily I448

E. Malaysia - 9M 9M8PV 14165 kHz 12Z I449  
 9M6HF 21290 1545Z I449

Faroes - OY by SM0s Aug. 10-21 I447

Guam - KH2 KH2/KD7P on now! I446

Guinea-Bissau J5 J52US 14225 0145Z I446

Iraq - YI YI1BGD RTTY Sept 5-8 I447  
 14195, 20M SSB >23Z I448

Isla de la Plata /HD4 IOTA New One I448

Isle of Man - GD Aug. 26-Sept. 7 I446

Ivory Coast - TU TU4CO 21010 2100Z I448

Jordan - JY JY9LC 14190 0200Z I445

Juan Fernandez CE0ICD 14236 2230Z I447  
 CE0ZAM 7163 at 0600Z I448

Kerquelen - FT-X FT2XE 14055 kHz 1100Z I449

Liechtenstein HB0 HB0/F6GMB Aug 8-20 I447  
 PA2WJZ, PA00NH Aug. I448

Maldives - 8Q7 by JS3ELH to Aug. 14 I449

Mauritania - 5T 5T5NU 20M SSB 0430Z+ I448

Mauritius - 3B8 3B8CF 7004 kHz at 1400Z  
 14030 kHz at 0300Z I449

Mayotte - FH8 FH8CB 14240 0400Z I448

Morocco - CN CN8FC 21225-30 1800Z I449

Mozambique - C9 C9MKT Aug. 12-14 I448  
 21290-300, 14300-310

Neth. Antilles PJ/PA0CRA Aug. 16-20 I449

Nicaragua - YN YN3EO 14003 0100Z I444

New Caledonia FK8FR 14270 10-12Z I449

Reunion - FR FR5ZD 14185 0330Z I449

St. Martin - FS FG/PA0CRA/FS Aug. 22 I449

St. Paul - CY9 Aug. 12-17 CW/SSB I449

St. Pierre - FP by W9s Aug 10-18 I440  
 FP5DX now for 3 yrs I448

San Andres - HK0 HK0HEU 15M SSB 1800Z I448

Saudi Arabia - HZ HZ1AB 15M SSB 2000Z I448

Somali - T5 T5GG on CW to Aug 22 I448  
 15025 01Z, 21025 2023Z

Sovereign Bases ZC4EE 14008 23-03Z I448

Sri Lanka - 4S7 4S7PVR 21290 1900Z I449

Sudan - ST2 ST2KR 14015-25 2300Z I448

Thailand - HS HS0B 14190 11-1400Z I448

Turkey - TA TA3D 14012 0300Z I449  
 21357 kHz 1630Z I449

Tuvalu - T2 CQWW SSB by K8JRK I432

West Samoa - 5W 5W1FV 21345 0330Z I449

Yemen - 4W 4W0EA Delayed I440

Zaire - 9Q 9Q5DX 21036 2030Z I445

Zone 23 BY9GA 14210-15 1400Z I449

20 Meter SSB Net Regulars  
 BY9GA C9MKT 5V7WD XU1SS D68MG 9M8PV 3D2ER  
 ZK2JT FH8CB FT5ZB FR4FA/J 3B9FR BV2FA XX9KA  
 1Z9B.

### DX Activities and Contests

Date	Event or Activity	Info
Aug. 13-14	European CW test	CQ
Aug. 27-28	Tokyo DX Conv.	JR1AIB
Aug. 27-28	All Asian CW Test	CQ
Sept. 9-10	W9DXCC Convention	K9KM
Oct. 8-9	DXPO 88 Washington	

### Contributors

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 KH6BZF, SESC, K0CVD, K0IIR, K2EWB, K7ABV, K7SLI, K8CV, K8NEU, K8NN, K9LJN, KA1ERN, KA1XN, KA4YAE, KE7X, KI6UT, KI8W, KJ4GK, KJ4VH, KM1E, KM4EE, KQ3S, KR4M, KV4AM, N1CIX, N1DYI, N1QY, N2GLH, N2HLZ, N2HOS, N4HOH, N4NO, N4PZF, N4XR, N9GMM, N9QX, NK1I, NX7K, VE7AHA, W1CYB, W1HH, W3HCW, W3MFW, W4PC, W4TMN, W4VQ, W5HNS, W6AUG, W6JOX, W6TFO, W6ZH, W7CRT, W9DH, WA1NPZ, WA4DPU, WA9AQE, WB8ZRL, WB9QDM, WB9TBU, WD4CQY, WW4Q, WB2P, KF7E, JA1IFP, K1TN, WC5P, OH1EH, Japan DX News, DX-NL, DX Family News, QRZ DX, DXPress, DX News Sheet, and the NCDXC. I couldn't do it without your help. Thanks! -ed.